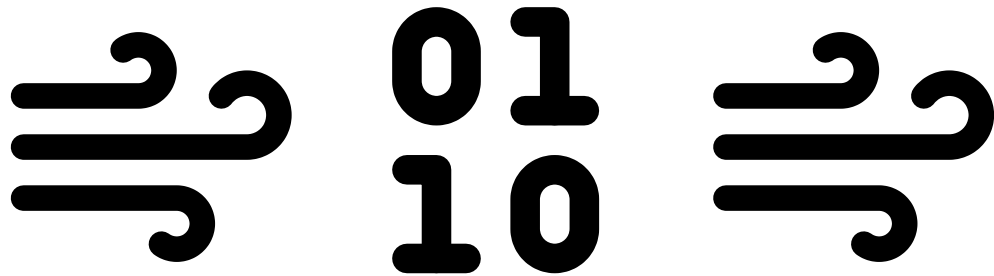


Analog and Digital Conversion

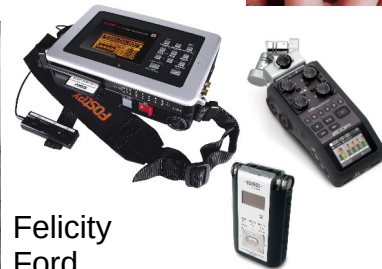
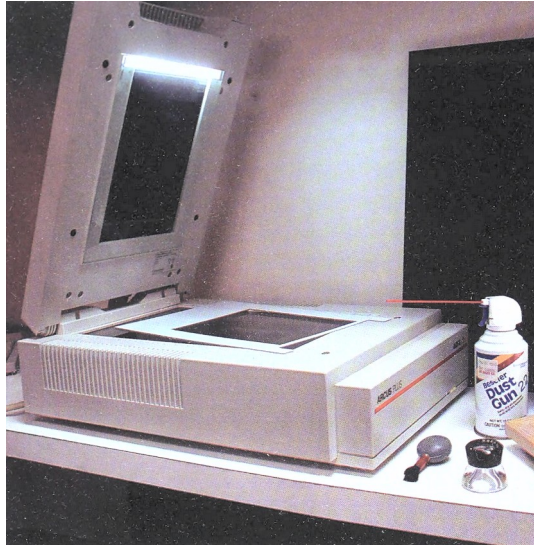


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Graph Paper Experiment

- 1) Grab a Piece of graph paper
- 2) In the Center of the paper, draw a dime sized circle.

A/D Conversion



Felicity
Ford

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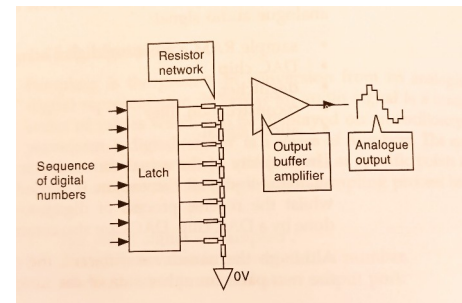
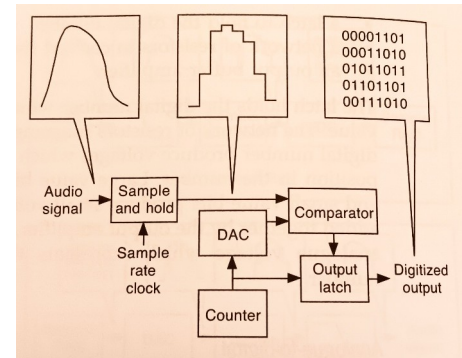
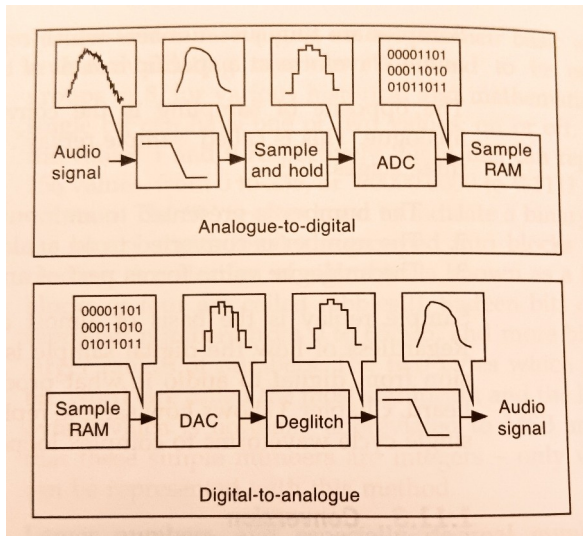
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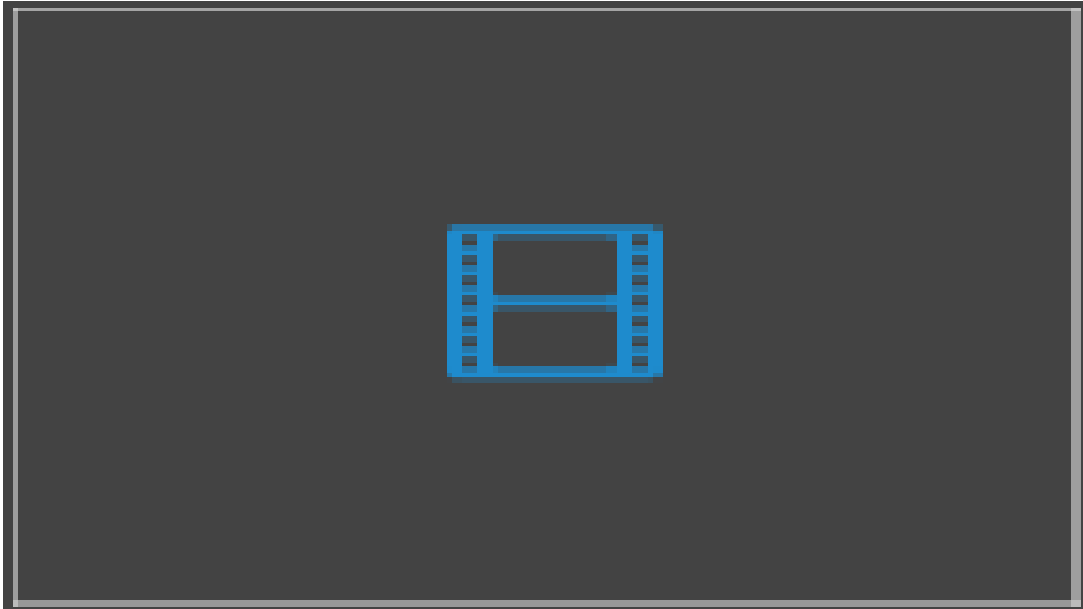
Approaches

(Signal Chain)



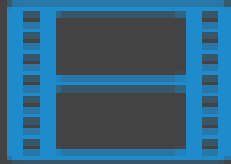
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Pen Plotter



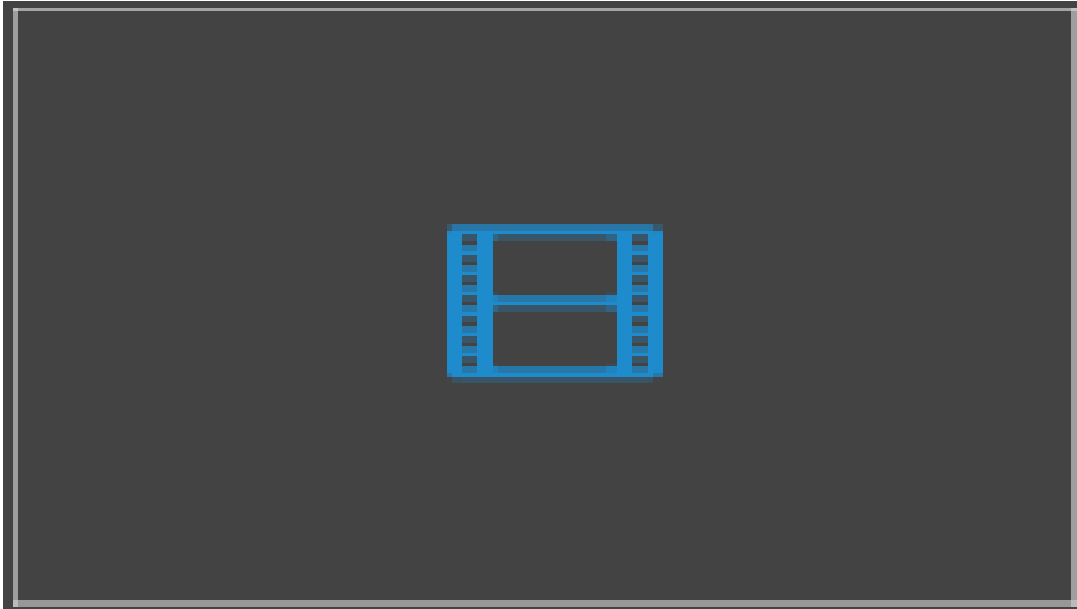
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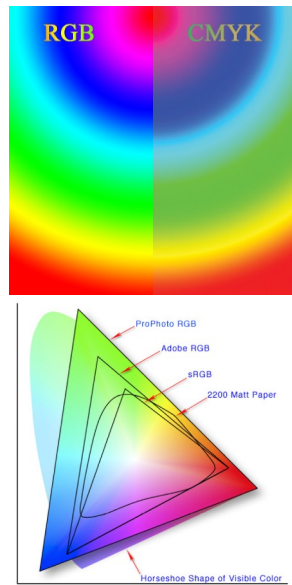
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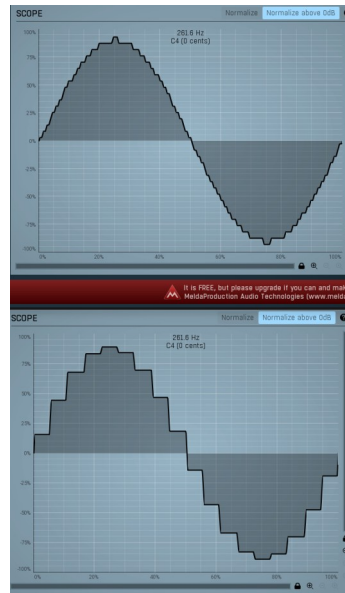
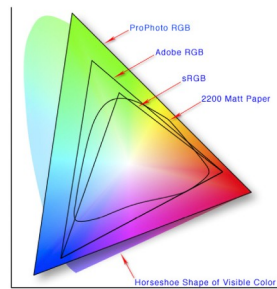
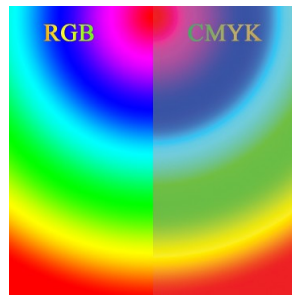
Encoding/Decoding is Hard



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Encoding/Decoding is Hard

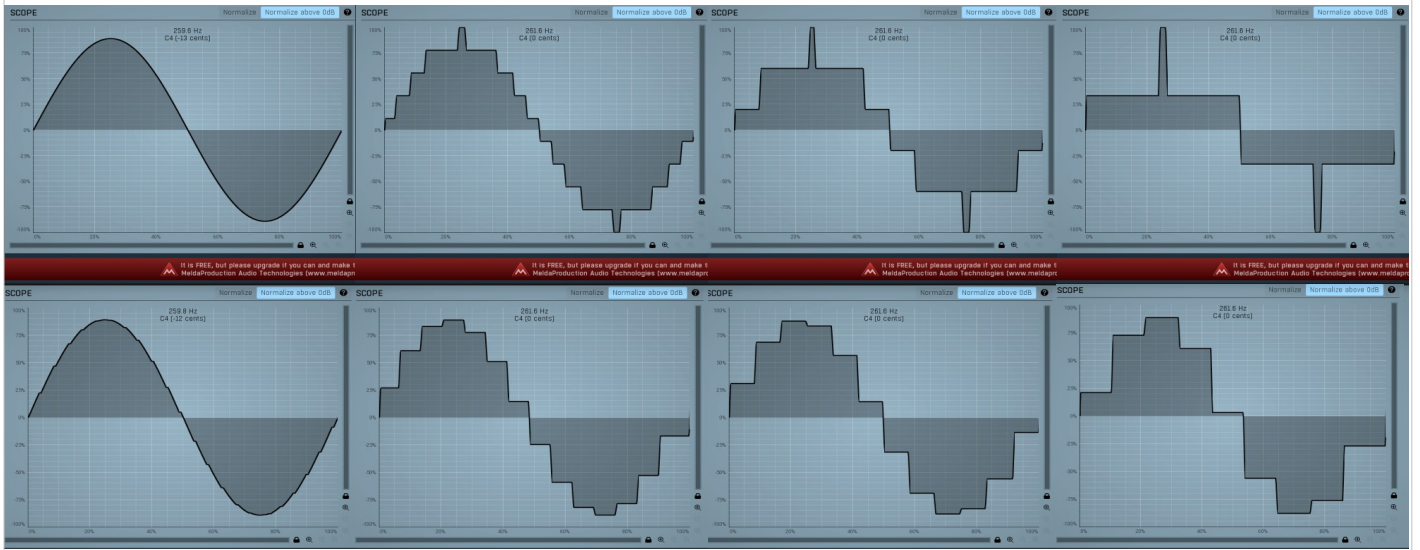


Bit Depth
(Vertical Resolution)

Sample Rate
(Horizontal Resolution)

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The Pantheon



Michael McDonald

Chaka Khan

Charlie Wilson

Kenny Loggins

Getty Images. "Musician Michael McDonald Attends the Press Conference for Hands..." November 1, 2012.

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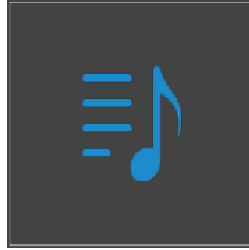
The Pantheon



Charlie Wilson

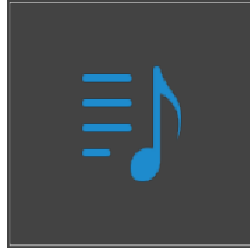
Song Examples

Song 1



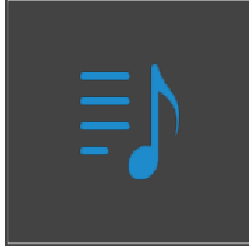
The Gap Band. Lonely Like Me. 1982.

Song 2



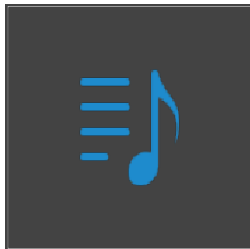
The Gap Band. Outstanding. 1982.

Song 3



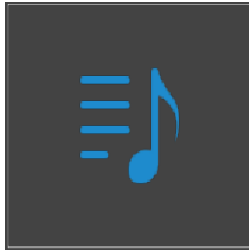
The Gap Band. Wednesday Lover. 1989.

Song 4



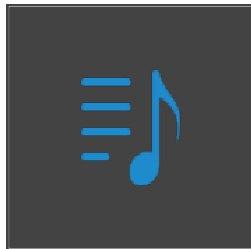
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Song 5

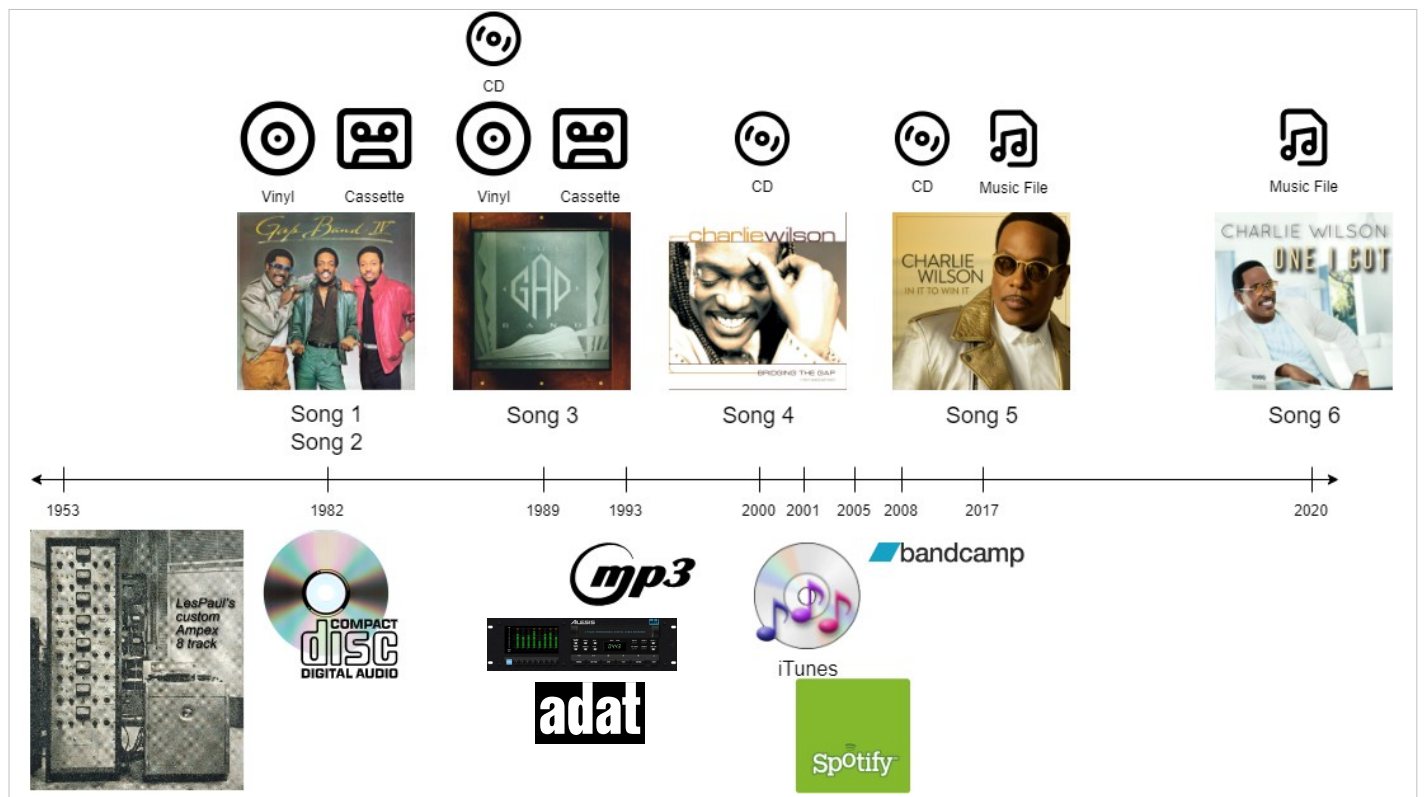


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Song 6



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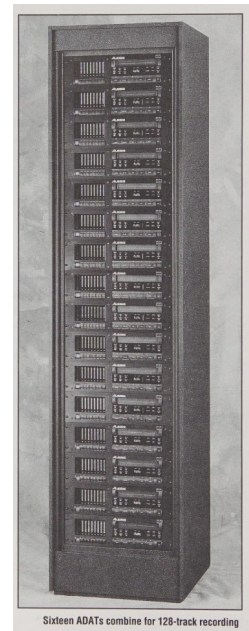
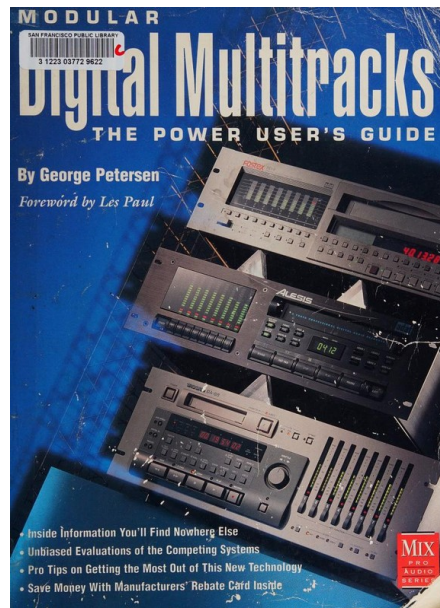
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Hands On